

Streptococcus sp., Strain M334

Catalog No. HM-251

Product Description:

Streptococcus sp., strain M334 was isolated in 2007 from expectorated sputum from a female patient with cystic fibrosis. HM-251 was produced by inoculation of deposited material into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70037974

Manufacturing Date: 12AUG2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Hemolysis on blood agar 1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive cocci Report results Report results Report results	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) α-Hemolysis Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA (rRNA) gene (~ 1500 base pairs)	≥ 99% identical to <i>Streptococcus</i> sp., strain M334 (GenBank: ACRL01000052.1)	99.9% identical to <i>Streptococcus</i> sp., strain M334 (GenBank: ACRL01000052.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Brain Heart Infusion agar	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

Figure 1: Colony Morphology



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